Claims

What is claimed is:

1. A connector assembly comprising:

a first fitting including an aperture;

a second fitting coupleable to the first fitting and having a second aperture;

a socket cooperatively arranged with one of the first and second fittings and including a side wall;

a resilient sealing member disposed in the socket and including a first portion contacting the side wall of the socket and a second portion spaced from the side wall of the socket; and

a stem disposed in the first fitting, including a head, and being axially movable through the socket and the resilient sealing member into the aperture of the second fitting.

2. A connector assembly comprising:

a first fitting including an aperture;

a second fitting coupleable to the first fitting and having an aperture;

a socket cooperatively arranged with one of the first and second fittings;

a resilient sealing member disposed in the socket and including a first portion and a second portion having a thinner wall than the first portion; and

a stem disposed in the first fitting, including a head, and being axially moveable through the socket and the resilient sealing member into the aperture of the second fitting.

3. A connector assembly comprising:

a first fitting having an aperture;

a second fitting coupleable to the first fitting and having an aperture;

a stem disposed in the first fitting;

a socket cooperatively arranged with one of the first and second fittings and including an open end;

a resilient sealing member disposed in the socket; and

a sealing layer joined to the open end of the socket.

4. A connector assembly comprising:

a first fitting having an aperture;

a second fitting coupleable to the first fitting and having an aperture;

a socket cooperatively arranged with one of the first and second fittings and including a continuous cylindrical side wall;

a resilient sealing member disposed in the socket;

a sealing layer covering the resilient sealing member; and

a stem disposed in the first fitting, including a head, and being axially movable through the socket and the resilient sealing member into the aperture of the second fitting.

5. A connector assembly comprising:

a first fitting having an aperture;

a second fitting coupleable to the first fitting and having an aperture;

a first resilient sealing member coupled to the first fitting at the aperture of the first fitting;

a second resilient sealing member coupled to the second fitting at the aperture of the second fitting;

a sealing layer disposed between the first and second resilient sealing members; and

a stem disposed in the first fitting.

6. A connector assembly comprising:

a first fitting having an aperture;

a second fitting coupleable to the first fitting and having an aperture;

a stem disposed in the aperture of the first fitting, including a head, and being axially movable through the aperture of the first fitting into the aperture of the second fitting; and

a deformable locking device comprising an axially extending member arranged between the first fitting and the stem to prevent the head from moving through the aperture in the first fitting.

7. A connector assembly comprising:

a first fitting having an aperture and a proximal end;

a second fitting coupleable to the first fitting and having an aperture and a proximal end;

a first cap operatively associated with the proximal end of one of the first and second fittings, whereby the first cap protects the proximal end of the one of the first and second fittings; and

a stem disposed in the first fitting, including a head, and being axially movable through the aperture of the first fitting into the aperture of the second fitting.

8. The connector assembly according to claim 7 further comprising a second cap operatively associated with the proximal end of the other one of the first and second fittings, whereby the second cap protects the proximal end of the other one of the first and second fittings.

9. A fluid system or device comprising:

(a) a connector assembly of any one of claims 1-8; and

(b) a fluid container or conduit coupled to one of the first and second fittings.

10. The fluid system or device according to claim 9, wherein the conduit couples the container to one of the first and second fittings.

11. The fluid system or device according to claim 9 or 8 wherein the conduit comprises a flexible plastic tubing.

12. The fluid system or device according to claim 9, 10, or 11 wherein the conduit and one of the first and second fittings comprise an integral configuration.

13. The fluid system or device according to claim 9, 10, 11, or 12 wherein the container comprises a fitment which is coupled to the tubing.

14. The fluid system or device according to claim 13, wherein the fitment comprises a transfer leg closure.

15. The fluid system or device according to claim 9, wherein the container and one of the first and second fittings comprises an integral configuration.

16. The fluid system or device according to claim 9 or 15, wherein the container comprises a fitment which is directly coupled to one of the first and second fittings.

17. The fluid system or device according to claim 9, wherein the container comprises a wall to which one of the first and second fittings are directly attached.

18. The fluid system or device according to claim 17, wherein the stem is capable of piercing the wall of the container.

19. The fluid system or device according to any one of claims 9 and 15-18 wherein one of the first and second fittings extends into the container.

20. The fluid system or device according to any one of claims 9 to 19 further comprising a fluid blocking mechanism capable of opening and blocking fluid flow to one of the first and second connectors.

21. A method for making a connection comprising: mating a first fitting having an aperture and a second fitting having an aperture without fluid within the first and second fittings;

establishing a fluid flowpath through the first and second fittings by advancing a stem having a head through the aperture of the first fitting into the aperture of the second fitting; and establishing fluid flow through the first and second fittings by opening a fluid blocking mechanism.

22. A method for making a connection comprising:

removing a cap operatively associated with a proximal end of one of a first fitting and a second fitting, each of the first and second fittings having an aperture;

mating the first fitting and the second fitting;

removing stripout layers covering respectively the apertures of the first and second fittings; and

establishing a fluid flowpath through the first and second fittings by advancing a stem having a head through the aperture of the first fitting into the aperture of the second fitting.

23. The method for making a connection according to claim 22 further comprising removing a cap operatively associated with a proximal end of the other one of the first and second fittings.